

Title (en)
COATING COMPOSITION COMPRISING AN AUTOXIDIZABLE RESIN AND AN IRON-LIGAND COMPLEX, SUBSTRATE COATED WITH SUCH COATING COMPOSITION, AND USE OF SUCH IRON-LIGAND COMPLEX

Title (de)
BESCHICHTUNGSZUSAMMENSETZUNG MIT EINEM AUTOXIDIERBAREN HARZ UND EINEM EISENLIGANDENKOMPLEX, MIT DIESER BESCHICHTUNGSZUSAMMENSETZUNG BESCHICHTETES SUBSTRAT UND VERWENDUNG SOLCH EINES EISENLIGANDENKOMPLEXES

Title (fr)
COMPOSITION DE REVÊTEMENT COMPRENANT UNE RÉSINE AUTO-OXYDABLE ET UN COMPLEXE FER-LIGAND, SUBSTRAT REVÊTU D'UNE TELLE COMPOSITION DE REVÊTEMENT, ET UTILISATION D'UN TEL COMPLEXE FER-LIGAND

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Application
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Abstract (en)
[origin: WO2021001410A1] The invention relates to a coating composition comprising an autoxidizable binder and an iron-ligand complex as drier, wherein the iron-ligand complex comprises an iron cation and an optionally substituted cyclopentadienyl group as ligand, and a further ligand other than a cyclopentadienyl group, wherein the molar ratio of iron cation to cyclopentadienyl group is 1:1. The invention further relates to a substrate coated with a coating deposited from such coating composition and to use of such iron-ligand complex in a coating composition comprising an autoxidizable resin to enhance drying of the coating composition.

IPC 8 full level
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C-Set (source: EP)
C08K 5/0091 + C08L 67/08

Citation (examination)
• WO 2008003652 A1 20080110 - UNILEVER PLC [GB], et al
• KALENDA P ET AL: "Influence of methyl groups on ferrocene on rate of drying of oxidizable paints by using model compounds", PROCESS IN ORGANIC COATINGS, ELSEVIER BV, NL, vol. 56, no. 2-3, 1 July 2006 (2006-07-01), pages 111 - 113, XP027906385, ISSN: 0300-9440, [retrieved on 20060701]
• RONALD HAGE ET AL: "Manganese and Iron Catalysts in Alkyd Paints and Coatings", INORGANICS, vol. 4, no. 2, 29 April 2016 (2016-04-29), pages 11, XP055337488, ISSN: 2304-6740, DOI: 10.3390/inorganics4020011

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